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FORM PTO REV. 2/017	T ·	•		OMMERCE PATENT AND TRADEMARK OFFICE ER TO THE UNITED STATES	CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER			
1				08940.0019				
				CTED OFFICE (DO/EO/US)	U.S. APPLICATION NO.			
	CONG	CERNI	NG A FI	LING UNDER 35 U.S.C. 371	(If known, see 37CFR1.5)			
					10/516605			
INTERNATIONAL APPLICATION NO.				INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED			
PCT/US2003/034811				October 31, 2003	November 1, 2002			
STEM (OF INVE	BRARIE	·					
APPLICANT(S) FOR DO/EO/US Hongbing ZHANG, Lewis T. WILLIAMS, Ketting CHU, and Fred COHEN								
Applican	nt(s) herew	ith submi	ts to the Unit	ed States Designated/Elected Office (DO/EO/US)	the following items and other information:			
1.	\boxtimes	This is a FIRST submission of items concerning a filing under 35 U.S.C 371.						
2.		This is a	SECOND o	SUBSEQUENT submission of items concerning	a filing under 35 U.S.C. 371.			
3.			This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.					
4.	\boxtimes			ted by the expiration of 19 months from the priorit	y date (Article 31).			
5.	\boxtimes	A copy o	of the Interna	cional Application as filed (35 U.S.C. 371 (c)(2)).	,			
		a.	⊠ is	attached hereto (required only if not communicate	d by the International Bureau.			
		b.		as been communicated by the International Bureau	-			
		c.		not required, as the application was filed with the				
6.		An Engli		translation of the International Application as filed	• ` '			
		a.		attached hereto.	````			
		b.	☐ ha	as been previously submitted under 35 U.S.C. 154	(d)(4).			
7.	\boxtimes	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).						
		a.		e attached hereto (required only if not communica	* * * * * * * * * * * * * * * * * * * *			
		b.		ive been communicated by the International Burea	•			
		c.		ave not been made; however, the time limit for mal				
		d.		ive not been made and will not be made.				
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).						
9.				of the inventor(s) (35 U.S.C. 371 (c)(4)).				
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).						
Items 11	to 20 belo	ow concei	rn document	(s) or information included:				
		,,, co	11 4004111111	(3) Of this mation metabolic				
11.		Informati	ion Disclosur	e Statement under 37 CFR 1.97 and 1.98				
12.			nment docum	ent for recording. A separate cover sheet in comp	liance with 37 CFR 3.28 and 3.31 is			
13.			· Γ preliminary	amendment.				
14.			SECOND or SUBSEQUENT preliminary amendment.					
15.		A Substitute specification.						
16.		A change of power of attorney and/or address letter.						
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.						
18.		A second copy of the published international application under 35 U.S.C. 154 (d)(4).						
19.		A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4).						
20.	\boxtimes		ms or inform					
		a.		opy of cover page of International Publication No.	WO 2004/042023 A3			
		b.		opy of Notification of Missing Requirements.				
		c.						

	ATTORNEY'S DOCKET NUMBER							
PCT/US2003/034811		08940.0019						
21. The following fees are submitted:								
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):								
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO								
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO								
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search fee (37 CFR 1.445(a)(2)) paid to USPTO								
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00								
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33 (1)-(4)\$100.00								
ENTER APPROPRIATE BASIC FEE AMOUNT =								
or declaration later than (37 CFR 1.492 (e)).	□ 20 □ 30	\$						
NUMBER EXTRA	RATE							
	x \$18.00	\$						
	x \$88.00	\$						
MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$300.00								
TOTAL OF THE ABOVE CALCULATIONS = \$								
7 CFR 1.27. The fees in	idicated above are reduced by ½.	s						
Processing fee of \$130.00 for furnishing the English translation later than \[\begin{array}{c} 20 \\ \ext{months from the earliest priority date (37 CFR 1.492(f)).} \end{array} \]								
TOTAL NATIONAL FEE =								
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property. +								
TOTAL FEES ENCLOSED =								
		Amount to be refunded:	s					
		charged:	\$					
0 to cover the above fees	s is enclosed.							
Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.								
The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No A duplicate copy of this sheet is enclosed.								
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
37 CFR 1.494 or 1.495 ation to pending status.	has not been met, a petition to revi	ve (37 CFR 1.13	7 (a) or (b))					
	(M)	-2						
SEND ALL CORRESPONDENCE TO: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.								
1300 I Street, N.W. SIGNATURE								
3	SIGNATURE		i i					
	Ernest F. Chapman Reg. No. 25,96	51						
	PCT/US2003/034811 (1) - (5)): fee (37 CFR 1.482) (2)) paid to USPTO by the EPO or JPO CFR 1.482) not paid to tred by the EPO or JPO . CFR 1.482) not paid to USFT (CFR 1.482) paid to (PCT Article 33 (1)-(4) ENTER APPROPROTE (PCT Article 33 (1)-(4) TOTAL OF THE TOTAL OF	fee (37 CFR 1.482) (2)) paid to USPTO by the EPO or JPO	PCT/US2003/034811 NUMBER 08940.0019 CALCULATIONS1 (1) - (5)): fee (37 CFR 1.482) (2)) paid to USPTO by the EPO or JPO \$1110.00 CFR 1.482) not paid to red by the EPO or JPO \$950.00 CFR 1.482) paid to USPTO \$790.00 CFR 1.482) paid to USPTO \$750.00 CFR 1.482) paid to \$750.00 ENTER APPROPRIATE BASIC FEE AMOUNT \$750.00 ENTER APPROPRIATE BASIC FEE AMOUNT \$750.00 NUMBER EXTRA RATE \$18.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$					